

# STATE OF HAWAII

## REQUEST FOR SOLE SOURCE

TO: Chief Procurement Officer

FROM: Department of Health / State Laboratories Division / Administration / Bioterrorism Response Laboratory  
(Department / Division / Agency)

Pursuant to § 103D-306, HRS, and Subchapter 9, Chapter 3-122, HAR, the Department requests sole source approval to purchase the following:

**Description of goods, services, or construction:**

The Smart Cycler II System is an integrated deoxyribonucleic acid (DNA)/ribonucleic acid (RNA) amplification and detection instrument. The Smart Cycler II System will be used as a rapid detection instrument to identify potential biological agents used in bioterrorism. It includes a processing block built around proprietary microprocessor-controlled cooling/heating optical reaction modules. Each of these modules performs four-color, real-time fluorometric detection. The reaction tubes are especially designed to allow rapid thermal transfer for sample amplification and the amplified products are measured fluorometrically. The Smart Cycler II System is equipped with software to monitor and record thermal and optical data. All sites can be monitored in real time, graphs of temperature, growth and melt curves can be charted as the data are collected.

Name of Vendor: Cepheid

Cost: \$37,652.00 - *Lump Sum*

Address:

904 Caribbean Drive  
Sunnyvale, CA 94089-1302

Term of Contract:

From:

To:

Prior Sole Source Reference No.:

01-63-J

The goods, services, or construction has the following unique features, characteristics, or capabilities:

The Smart Cycler II System has:

1. A minimum of 16 individually programmable and controlled sample sites that can be simultaneously run with 16 different protocols or assays. The other systems run one sample at a time.
2. Accommodates 25 ul and 100 ul volume samples and can be expanded to a maximum of 96 samples.
3. Allows multiple operators to run separate experiments on the same instruments at the same time and to start each protocol and each sample site independently.
4. Capability to excite and detect 4 spectral bands to allow 4 color real-time detection in a single sample.

S. S. Number: 01-66-M

### REQUEST FOR SOLE SOURCE (Cont.)

How the unique features, characteristics, or capabilities are essential for the agency to accomplish its work:

- The Smart Cycler II System has a minimum of 16 individually programmable and controlled sample sites that can simultaneously run 16 different protocols or assays. The system also accommodates 25 ul and 100 ul volume samples and can be expanded to a maximum of 96 samples. It allows multiple operators to simultaneously run separate experiments on the same instruments and to start each protocol and sample site independently.
- Another unique feature is the capability to excite and detect 4 spectral bands to allow 4 color real-time detection a single sample. This versatility will enable the bioterrorism preparedness laboratory to process the variety and volume of specimens associated with bioterroristic incidents expeditiously.

The following other possible sources for the goods, services, or construction were investigated but do not meet our needs because:

**None**

We are part of the Laboratory Response Network (LRN) organized by the Centers for Disease Control and Prevention (CDC) to provide detection and identification for suspected bioterrorism (BT) agents. CDC provides LRN Laboratories with primers and probes used in detection of various BT agents. Validation of assays to detect BT agents developed by the CDC- BT Rapid Response and Advance Technology Laboratory (BRRAT) was performed using nucleic acid-based platforms that using the Smart Cycler with the participation of LRN Laboratories nationwide. The validation process ensures reliability, reproducibility, and accuracy of test protocols, reagents, and instrumentation. Therefore we use only instruments that CDC and LRN laboratories have tested to ensure uniformity and standardization of test results and to conduct reliable and reproducible detection assays.

Direct Questions To: Rebecca H. Sciulli Phone: (808) 453-5993 Fax: (808) 453-5995  
Bioterrorism Preparedness Microbiologist & Lab Coordinator

I certify that the information provided above is to the best of my knowledge, true, correct and that the goods, services, or construction are available through only one source.



APR 12 2004

Department / Agency Head  
Deputy Director of Health

Date

Title (If other than Department Agency Head)

Chief Procurement Officer's Comments:

Please ensure adherence to applicable administrative and statutory requirements.

Expenditure may be processed through a purchase order: Yes X No \_\_\_\_\_. If no, a contract must be executed and funds certified.

X Approved \_\_\_\_\_ Denied

 5/14/04  
Chief Procurement Officer Date

S.S. Number: 0460-M

'04 APR 13 P1:00

# STATE OF HAWAII

## NOTICE OF SOLE SOURCE

STATE PROCUREMENT OFFICE  
STATE OF HAWAII

The Chief Procurement Officer is in the process of reviewing the request from the Department of Health, State Laboratories Division, Bioterrorism Response Laboratory for the sole source purchase of the following goods, services, or construction:

The Smart Cycler II System is an integrated deoxyribonucleic acid (DNA)/ribonucleic acid (RNA) amplification and detection instrument. The Smart Cycler II System will be used as a rapid detection instrument to identify potential biological agents used in bioterrorism. It includes a processing block built around proprietary microprocessor-controlled cooling/heating optical reaction modules. Each of these modules performs four-color, real-time fluorometric detection. The reaction tubes are especially designed to allow rapid thermal transfer for sample amplification and the amplified products are measured fluorometrically. The Smart Cycler II System is equipped with software to monitor and record thermal and optical data. All sites can be monitored in real time, graphs of temperature, growth and melt curves can be charted as the data are collected.

**Vendor:** Cepheid  
**Address:** 904 Carribbean Drive  
Sunnyvale, CA 94089-1302

<b>Term of Contract:</b>	<b>From:</b>	<b>To:</b>	<b>Cost:</b> \$37,652.00
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**Direct any inquiries to:**

**Department:** Health, State Laboratories Division  
Bioterrorism Response Laboratory  
**Contact Name/Title:** Rebecca H. Sciulli  
Bioterrorism Microbiologist & Coordinator  
**Address:** 2725 Waimano Home Road  
Pearl City, Hawaii 96782

**Phone Number:** (808) 453-5993**Fax Number:** (808) 453-5995

APRIL 14, 2004

Date Notice Posted: \_\_\_\_\_

A copy of this notice of sole source shall be posted by the Chief Procurement Officer and the purchasing agency in an area accessible to the public, at least seven (7) calendar days prior to any approval action.

Submit written objections to this notice to issue a sole source contract within seven (7) calendar days from the date this notice was posted to:

Chief Procurement Officer  
Office/Agency \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

S.S. No. 0460-M